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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/849,195  
Applicant : GUTTAG ET AL.  
Filed : MAY 20, 2004  
Title : DIGITAL BACKPLANE

Art Unit : 2661  
Examiner : TO BE ASSIGNED

Atty Docket No. : KAGU-0002-UTY

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

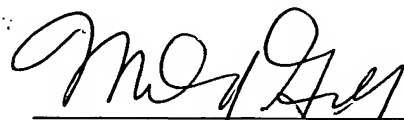
Sir:

The below-identified communication(s) is (are) submitted in the above-captioned application or proceeding:

- ☒ Information Disclosure Statement and Form 1449/references
- ☒ Patent Fee Transmittal

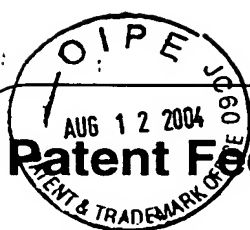
- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication, including fees under 37 C.F.R. §§ 1.16, 1.17 and 1.21 or credit any overpayment to **Deposit Account Number 10-0233-KAGU-0002-UTY.**

Respectfully submitted,

  
\_\_\_\_\_  
Mark J. Guttag  
Registration Number 33,057

JAGTIANI + GUTTAG  
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August 9, 2004



# Patent Fee Transmittal for FY 2004

☒ Applicant Claims Small Entity Status 37 C.F.R. 1.27

**TOTAL AMOUNT OF PAYMENT \$0.00**

Application Number	10/849,195
Filing Date	May 20, 2004
Named Inventor	Gutttag, et al.
Examiner Name	To be assigned
Art Unit	2661
Attorney Docket No.	KAGU-0002-UTY

## FEE CALCULATION

### 1. Basic Filing Fee

Large Entity		Small Entity		Description	Paid
Code	(\$)	Code	(\$)		
1001	770	2001	385	Utility filing fee	\$ -
1002	340	2002	170	Design filing fee	\$ -
1003	530	2003	265	Plant filing fee	\$ -
1004	770	2004	385	Reissue filing fee	\$ -
1005	160	2005	80	Provisional filing fee	\$ -
1609	730	2609	365	IPEA U.S.	\$ -
1610	770	2610	385	ISA U.S.	\$ -
1611	1,080	2611	540	USPTO not ISA or IPEA	\$ -
1612	100	2612	50	Claims Meet PCT Art. 33-IPEA/US	\$ -
1613	920	2613	460	Filing with EPO or JPO SR	\$ -

**Basic Fee Subtotal \$ -**

### 2. Extra Claim Fee

#### a. Claims as Filed

Total Claims		Extra Claims	
0	-20 =	0	x
0	-3 =	0	x
Multiple Dependent			

Large Entity		Small Entity		Paid
Code	(\$)	Code	(\$)	
1202	18	2202	9	\$
1201	86	2201	43	\$
1203	290	2203	145	\$

#### b. Claims as Amended

Total Claims		Extra	
0	-0 =	0	x
0	-0 =	0	x
First Presentation of Multiple Dependent			
* Less than 20, enter 20 ** Less than 3, enter 3			

Large Entity		Small Entity		Paid
Code	(\$)	Code	(\$)	
1202	18	2202	9	\$
1201	86	2201	43	\$
1203	290	2203	145	\$

**Extra Claim Fee Subtotal \$**

### 3. Additional Fees

Large Entity		Small Entity		Description	Paid
Code	(\$)	Code	(\$)		
1251	110	2251	55	Extension for reply first month	\$ -
1252	420	2252	210	Extension for reply second month	\$ -
1253	950	2253	475	Extension for reply third month	\$ -
1254	1,480	2254	740	Extension for reply fourth month	\$ -
1255	2,010	2255	1,005	Extension for reply fifth month	\$ -
1401	330	2401	165	Notice of Appeal	\$ -
1402	330	2402	165	Filing Brief in Support of Appeal	\$ -
1403	290	2403	145	Request for Oral hearing	\$ -
1460	130	1460	130	Petitions to Commissioner	\$ -
1451	1,510	1451	1,510	Petition - public use proceeding	\$ -
1452	110	2452	55	Petition to Revive - Unavoidable	\$ -
1453	1,330	2453	665	Petition to Revive - Unintentional	\$ -
1501	1,330	2501	665	Utility Issue Fee	\$ -
1502	480	2502	240	Design Issue Fee	\$ -
1503	640	2503	320	Plant Issue Fee	\$ -
1504	300	1504	300	Publication Fee	\$ -
1814	110	2814	55	Statutory Disclaimer	\$ -
1811	100	1811	100	Certificate of Correction	\$ -

(cont.)

### 3. Additional Fees (cont.)

Large Entity		Small Entity		Description (cont.)	Paid
Code	(\$)	Code	(\$)		
8021	40	8021	40	Recording each Assignment	\$
1806	180	1806	180	Submission of IDS	\$
1801	770	2801	385	Request for Cont. Examination	\$
1809	770	2809	385	Filing Submission After Final	\$
1051	130	2051	65	Surcharge - late filing fee or oath	\$
1052	50	2052	25	Surcharge - late provisional fee	\$
1053	130	1053	130	Non-English Specification	\$
1807	50	1807	50	Processing Fee 37 CFR 1.17(q)	\$
1812	2,520	1812	2,520	Request for Ex Parte Reexamination	\$
1804	920	1804	920	Request Pub. of SIR prior	\$
1805	1,840	1805	1,840	Request Pub. of SIR after	\$
1810	770	2810	385	Each Add. Invention Examined	\$
1802	900	1802	900	Expedited Examination (Design)	\$
1551	910	2551	455	Maintenance Fees 3.5 years	\$
1552	2,090	2552	1,045	Maintenance Fees 7.5 years	\$
1553	3,220	2553	1,610	Maintenance Fees 11.5 years	\$
1554	130	2554	65	Surcharge - Late Payment 6 mos.	\$
Other fee					\$

**Additional Fee Subtotal \$**

## METHOD OF PAYMENT

☒ Deposit Account No. **10-0233-KAGU-0002-UTY**

☒ The Commissioner is hereby authorized to charge the amount shown above and any additional fees which may be required under 37 CFR 1.16, 1.17, 1.18, 1.20 and 1.492 or credit any overpayment to the deposit account number listed above.

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Signature

August 9, 2004

Date



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

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**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §§ 1.51(b), 1.56, 1.97 and 1.98, this Information Disclosure Statement is submitted in the above-identified patent application. A listing of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO-1449. Any other documents or information submitted for consideration by the Examiner are listed in this paper. A copy of each foreign patent, or each publication or portion thereof listed or herein identified, is submitted herewith, except that a copy of any U.S. patent application identified herein or any patent, publication or other information listed herein cited or submitted in a prior application relied upon for an earlier filing date under 35 U.S.C. § 120 and identified below, is not submitted herewith.

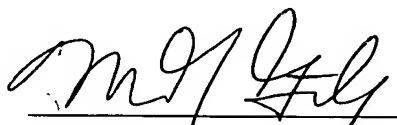
**CERTIFICATION**

This Information Disclosure Statement is submitted within three months of (i) the filing date of the above-identified U.S. National Patent application, or (ii) before the first office action on the merits, or (iii) the date of entry into the U.S. National Stage of the above-identified International Application, or (iv) the date of entry into the U.S. National Stage of the International Application that has been assigned the above-identified U.S. Patent application number, whichever applies.

The Commissioner is hereby authorized to charge payment of any fees associated with this communication, including fees under 37 C.F.R. §§ 1.16 and 1.17 or credit any overpayment to **Deposit Account Number 10-0233-KAGU-0002-UTY**.

The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

Respectfully submitted,

  
Mark Guttag  
Registration Number 33,057

**JAGTIANI + GUTTAG**  
Democracy Square Business Center  
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Fairfax, Virginia 22030  
(703) 591-2664

August 9, 2004

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Form TO 1449  U.S. Department of Commerce Patent and Trademark Office  Information Disclosure Statement by Applicant	ATTY. DOCKET NUMBER <b>KAGU-0002-UTY</b>	SERIAL NUMBER <b>10/849,195</b>
	APPLICANT <b>GUTTAG, et al.</b>	
	FILING DATE <b>May 20, 2004</b>	GROUP <b>2661</b>

U.S. Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	3,707,622	Dec. 26, 1972	Hatano et al.			
	3,801,831	Apr. 2, 1974	Dame			
	4,039,862	Aug. 2, 1977	Dingwall et al.			
	4,486,670	Dec. 4, 1984	Chan et al.			
	4,618,929	Oct. 21, 1986	Miller et al.			
	4,621,339	Nov. 4, 1986	Wanger et al			
	4,695,650	Sep. 22, 1987	Walba et al.			
	4,720,819	Jan. 19, 1988	Pinkham et al.			
	4,773,038	Sep. 20, 1988	Hillis, et al.			
	4,959,811	Sep. 25, 1990	Szczepanek			
	5,096,279	Mar. 17, 1992	Hornbeck et al.			
	5,184,325	Feb. 2, 1993	Lipouski			
	5,210,826	May 11, 1993	Takeda et al.			
	5,334,861	Aug. 2, 1994	Pfiester et al.			
	5,339,116	Aug. 16, 1994	Urbanus et al.			
	5,488,431	Sep. 5, 1995	Kobayashi			
	5,497,172	Mar. 5, 1996	Doherty et al.			
	5,581,773	Dec. 3, 1996	Glover			
	5,657,036	Aug. 12, 1997	Markandey et al.			
	5,673,028	Sep. 30, 1997	Levy			
	5,689,677	Nov. 18, 1997	MacMillan			
	5,767,828	Jun. 16, 1998	McKnight			
	5,808,690	Sep. 15, 1998	Rich			
	5,818,788	Oct. 6, 1998	Kimura et al.			
	5,851,611	Dec. 22, 1998	Guttag			
	5,864,703	Jan. 26, 1999	Van Hook et al.			
	5,959,598	Sep. 28, 1999	McKnight			
	5,990,982	Nov. 23, 1999	Gove et al.			
	6,005,558	Dec. 21, 1999	Hudson et al.			
	6,041,389	Mar. 21, 2000	Rao			
	6,067,065	May 23, 2000	Worley III et al.			

		6,118,500	Sep. 12, 2000	Kunzman			
		6,144,356	Nov. 7, 2000	Weatherford et al.			
		6,151,011	Nov. 21, 2000	Worley III et al.			
		6,188,377	Feb. 13, 2001	Campbell et al.			
		6,225,991	May 1, 2001	McKnight			
		6,243,072	Jun. 5, 2001	McKnight			
		6,285,360	Sep. 4, 2001	Li			
		6,295,054	Sep. 25, 2001	McKnight			
		6,326,980	Dec. 4, 2001	Worley III			
		6,346,430	Feb. 12, 2002	Raj et al.			
		6,348,991	Feb. 19, 2002	Smith et al.			
		6,369,832	Apr. 9, 2002	McKnight			
		6,373,497	Apr. 16, 2002	McKnight et al.			
		6,452,589	Sep. 17, 2002	McKnight			
		6,456,301	Sep. 24, 2002	Huang			
		6,493,467	Dec. 10, 2002	Okuda et al.			
		6,518,945	Feb. 11, 2003	Pinkham			
		6,573,951	Jun. 3, 2003	Hewlett et al.			
		6,574,043	Jun. 3, 2003	Ramanujan			
		6,597,372	Jul. 22, 2003	Huang			
		6,646,710	Nov. 11, 2003	Suzuki et al.			
		6,650,138	Nov. 18, 2003	Zuravleff			
		20010038363	Nov. 8, 2001	Campbell			
		20010040566	Nov. 15, 2001	Pinkham et al.			
		20020000967	Jan. 3, 2002	Huston et al.			
		20020036634	Mar. 28, 2002	Pinkham et al.			
		20020097215	Jul. 25, 2002	Huang			
		20020101396	Aug. 1, 2002	Huston et al.			
		20020158891	Oct. 31, 2002	Huang			
		20020176146	Nov. 28, 2002	DeVaen et al.			
		20030016213	Jan. 23, 2003	Huang			
		20030034941	Feb. 20, 2003	Janssen et al.			
		20030038651	Feb. 27, 2003	Zuravleff			
		20030038763	Feb. 27, 2003	Zuravleff			
		20030058263	Mar. 27, 2003	Huang			
		20030090478	May 15, 2003	McKnight			
		20030103046	Jun. 5, 2003	Rogers et al.			

		20030107578	Jun. 12, 2003	Willis et al.			
		20030137501	Jul. 24, 2003	Richards			
		20030151599	Aug. 14, 2003	Bone			
		20030156083	Aug. 21, 2003	Willis			
		20030156121	Aug. 21, 2003	Willis			
		20030160803	Aug. 28, 2003	Willis			
		20030160804	Aug. 28, 2003	Willis et al.			
		20030169612	Sep. 11, 2003	Hu			
		20030197669	Oct. 23, 2003	Marshall			
		20030201986	Oct. 30, 2003	Willis et al.			
		20030210257	Nov. 13, 2003	Hudson et al.			
		20030214617	Nov. 20, 2003	Beirhuizen et al.			
		20040004753	Jan. 8, 2004	Pan			
		20040125283	Jul. 1, 2004	Huang			

## Foreign Patent Documents

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
		WO0079510 A1	Dec. 28, 2000	US				

## Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

		Colorado MicroDisplay, Inc. (CMD) White Paper: "Which Microdisplay is Right for your Application?" copyright 1998, pp. 1-9.
		W. P. Bleha, JVC Digital Image Technology Center White Paper: "D-ILA™ Projector Technology: The Path to High Resolution Projection Displays", pp. 1-9.
		Kang <i>et al.</i> , Samsung SID 2001 Digest, Paper 51.3, pp. 1264 – 1267.
		<a href="http://www.silicondisplay.com">www.silicondisplay.com</a> website, 02/06/2002, "The Digital LCoS Breakthrough"
EXAMINER		DATE CONSIDERED
<p><i>EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant</i></p>		